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1 [DBconnect: mining research community on DBLP data](#)

Osmar R. Zaiane, Jiyang Chen, Randy Goebel
August WebKDD/ SNA-KDD '07: Proceedings of the 9th WebKDD and 1st SNA-2007 KDD 2007 workshop on Web mining and social network analysis

Publisher: ACM

Full text available: [pdf\(610.14 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0


Extracting information from large collections of structured, semi-structured or even unstructured data can be a considerable challenge when much of the hidden information is implicit within relationships among entities within the data. Social networks ...

2 Collision detection and proximity queries



Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available:  [pdf\(11.22 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 860, Citation Count: 0

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate ...

3 Geometric modeling based on polygonal meshes



Video files associated with this course are available from the citation page

Mario Botsch, Mark Pauly, Leif Kobbelt, Pierre Alliez, Bruno Lévy, Stephan Bischoff, Christian Rössl
August 2007 SIGGRAPH '07: ACM SIGGRAPH 2007 courses

Publisher: ACM

Full text available:  [pdf\(44.53 MB\)](#)

Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#)


Bibliometrics: Downloads (6 Weeks): 71, Downloads (12 Months): 708, Citation Count: 0

In the last years triangle meshes have become increasingly popular and are nowadays intensively used in many different areas of computer graphics and geometry processing. In classical CAGD irregular triangle meshes developed into a valuable alternative ...

4 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 77, Downloads (12 Months): 1090, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

5 A software model and specification language for non-WIMP user interfaces



Robert J. K. Jacob, Leonidas Deligiannidis, Stephen Morrison

March 1999 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 6 Issue 1

Publisher: ACM

Full text available: [pdf\(574.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 138, Citation Count: 36

We present a software model and language for describing and programming the fine-grained aspects of interaction in a non-WIMP user interface, such as a virtual environment. Our approach is based on our view that the essence of a non-WIMP dialogue is ...

Keywords: PMIW, interaction techniques, non-WIMP interface, specification language, state transition diagram, user interface management system (UIMS)

6 The model-assisted global query system for multiple databases in distributed enterprises



Waiman Cheung, Cheng Hsu

October 1996 ACM Transactions on Information Systems (TOIS), Volume 14 Issue 4

Publisher: ACM

Full text available: [pdf\(697.73 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 123, Citation Count: 5

Today's enterprises typically employ multiple information systems, which are independently developed, locally administered, and different in logical or physical designs. Therefore, a fundamental challenge in enterprise information management is the sharing ...

7 Not quite the average: An empirical study of Web use



Harald Weinreich, Hartmut Obendorf, Eelco Herder, Matthias Mayer

February 2008 ACM Transactions on the Web (TWEB), Volume 2 Issue 1

Publisher: ACM

Full text available: [pdf\(967.16 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

In the past decade, the World Wide Web has been subject to dramatic changes. Web sites have evolved from static information resources to dynamic and interactive applications that are used for a broad scope of activities on a daily basis. To examine the ...

Keyw ords: Navigation, WWW, Web, browser interfaces, hypertext, usability, user study, web browsing, web design


8 Navigation patterns and usability of zoomable user interfaces with and without an overview



Kasper Hornbæk, Benjamin B. Bederson, Catherine Plaisant

December 2002 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 9 Issue 4

Publisher: ACM

Full text available:  [pdf\(1.18 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 402, Citation Count: 18

The literature on information visualization establishes the usability of interfaces with an overview of the information space, but for zoomable user interfaces, results are mixed. We compare zoomable user interfaces with and without an overview to understand ...

Keyw ords: Information visualization, levels of detail, maps, navigation, overview + detail interfaces, overviews, usability, zoomable user interfaces (ZUIs)


9 Exploiting space and location as a design framework for interactive mobile systems



Alan Dix, Tom Rodden, Nigel Davies, Jonathan Trevor, Adrian Friday, Kevin Palfreyman

September 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue 3

Publisher: ACM

Full text available:  [pdf\(282.97 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 338, Citation Count: 14

This article considers the importance of context in mobile systems. It considers a range of context-related issues and focus on location as a key issue for mobile systems. A design framework is described consisting of taxonomies of location, mobility, ...

Keyw ords: awareness, context information, design framework, location-sensitive applications, mobile systems, platform support, shared interaction, virtual space

10 Reading patterns and usability in visualizations of electronic documents



Kasper Hornbæk, Erik Frøkjær

June 2003 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 10 Issue 2

Publisher: ACM

Full text available: [pdf\(4.18 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 270, Citation Count: 4

We present an exploration of reading patterns and usability in visualizations of electronic documents. Twenty subjects wrote essays and answered questions about scientific documents using an overview+detail, a fisheye, and a linear interface. We study ...

Keyw ords: Electronic documents, digital documents, fisheye interface, information retrieval, information visualization, overview+ detail interface, reading, reading patterns

11 Constructing, organizing, and visualizing collections of topically related Web resources



Loren Terveen, Will Hill, Brian Amento

March 1999 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 6 Issue 1

Publisher: ACM

Full text available: [pdf\(303.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 134, Citation Count: 11

For many purposes, the Web page is too small a unit of interaction and analysis. Web sites are structured multimedia documents consisting of many pages, and users often are interested in obtaining and evaluating entire collections of topically related ...

Keyw ords: cocitation analysis, collaborative filtering, computer supported cooperative work, information visualization, social filtering, social network analysis

12 Composable ad hoc location-based services for heterogeneous mobile clients

Todd D. Hodes, Randy H. Katz

October 1999 Wireless Networks, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(403.18 KB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 131, Citation Count: 7


13 [Contextual information access and storytelling in mixed reality using hypermedia](#)



Luis Romero, JORGE SANTIAGO, NUNO CORREIA

July 2004 Computers in Entertainment (CIE), Volume 2 Issue 3

Publisher: ACM

Full text available:  [pdf\(480.08 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 170, Citation Count: 1

This article describes gaming and storytelling activities in a mixed environment that integrates the real and virtual worlds, uses an augmented reality paradigm, and is supported by a structuring and presentation framework for use in context-aware mixed-reality ...

Keyw ords: hypermedia interfaces, hypermedia model, mixed and augmented reality, mobile gaming and storytelling


14 [Zooming versus multiple window interfaces: Cognitive costs of visual comparisons](#)



Matthew D. Plumlee, Colin Ware

June 2006 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 13 Issue 2

Publisher: ACM

Full text available:  [pdf\(1.71 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 378, Citation Count: 1

In order to investigate large information spaces effectively, it is often necessary to employ navigation mechanisms that allow users to view information at different scales. Some tasks require frequent movements and scale changes to search for details ...

Keyw ords: Multiple windows, focus-in-context, interaction design, multiscale, multiscale comparison, visual working memory, zooming

15 Incremental formalization with the hyper-object substrate



Frank M. Shipman, III, Raymond J. McCall

April ACM Transactions on Information Systems (TOIS), Volume 17 Issue 2
1999

Publisher: ACM

Full text available: [pdf\(920.47 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),
[index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Citation Count: 9

Computers require formally represented information to perform computations that support users; yet users who have needed such support have often proved to be unable or unwilling to formalize it. To address this problem, this article introduces an approach ...

16 User-controlled link adaptation



Theophanis Tsandilas, m. c. schraefel

August HYPERTEXT '03: Proceedings of the fourteenth ACM conference on
2003 Hypertext and hypermedia

Publisher: ACM

Full text available: [pdf\(1.37 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 59, Citation Count: 3

This paper introduces an adaptable hypermedia approach applied to adaptive link annotation techniques. This approach suggests that the combination of direct manipulation with automated link annotation affords greater user control over page adaptation. ...

Keyw ords: adaptable hypertext, direct manipulation, history visualization, hyperlink annotation

17 Delayed password disclosure



Markus Jakobsson, Steven Myers

September 2007 ACM SIGACT New s, Volume 38 Issue 3

Publisher: ACM

Full text available: [pdf\(955.13 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 45, Citation Count: 0


We present a new authentication protocol called Delayed Password Disclosure. Based on the traditional username and password paradigm, the protocol's goal is aimed at reducing the effectiveness of phishing/spoofing attacks that are becoming increasingly ...

Keyw ords: decisional, doppelganger, oblivious transfer, password authenticated key exchange, phishing, static diffie-hellman, user interfaces

18 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming
December 2000 Mobile Networks and Applications, Volume 5 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  pdf(207.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 66, Citation Count: 3


Mobile professionals require access to documents and document‐related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face‐to‐face, and with ...

19 A statechart-based model for hypermedia applications



Maria Cristina Ferreira de Oliveira, Marcelo Augusto Santos Turine, Paulo Cesar Masiero
January 2001 ACM Transactions on Information Systems (TOIS), Volume 19 Issue 1

Publisher: ACM


Full text available:  pdf(215.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 103, Citation Count: 8


This paper presents a formal definition for HMBS (Hypermedia Model Based on Statecharts). HMBS uses the structure and execution semantics of statecharts to specify both the structural organization and the browsing semantics of hypermedia applications. ...

Keyw ords: HMBS, browsing semantics, hypermedia specification, navigational model, statecharts

20 Off the beaten tracks: exploring three aspects of web navigation

 Harald Weinreich, Hartmut Obendorf, Eelco Herder, Matthias Mayer
May 2006 WWW '06: Proceedings of the 15th international conference on World Wide Web

Publisher: ACM

Full text available:  [pdf\(440.42 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 315, Citation Count: 6

This paper presents results of a long-term client-side Web usage study, updating previous studies that range in age from five to ten years. We focus on three aspects of Web navigation: changes in the distribution of navigation actions, speed of navigation ...





Key words: browser interfaces, clickstream study, hypertext, navigation, user modeling

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